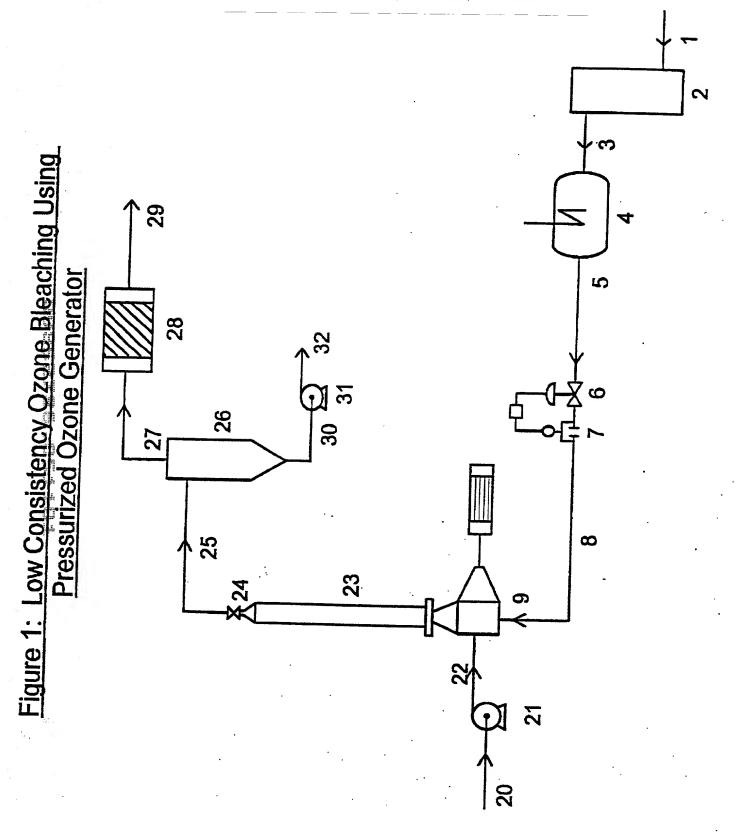
TITLE: OZONE BLEACHING OF LOW CONSISTENCY

PULP USING HIGH PARTIAL PRESSURE OZONE

INVENTOR(S): SUNDARAM ET AL

APPLICATION SERIAL NO: (016499-883) SHEET 1 of 8



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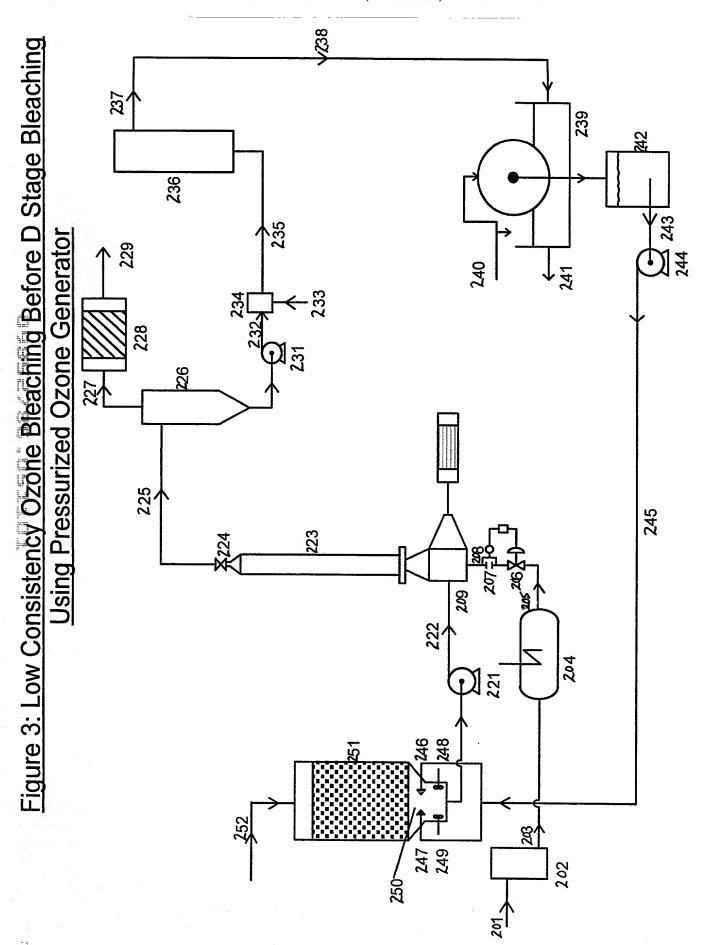
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TITLE: OZONE BLEACHING OF LOW CONSISTENCY PULP USING HIGH PARTIAL PRESSURE OZONE

INVENTOR(S): SUNDARAM ET AL

APPLICATION SERIAL NO: (016499-883)

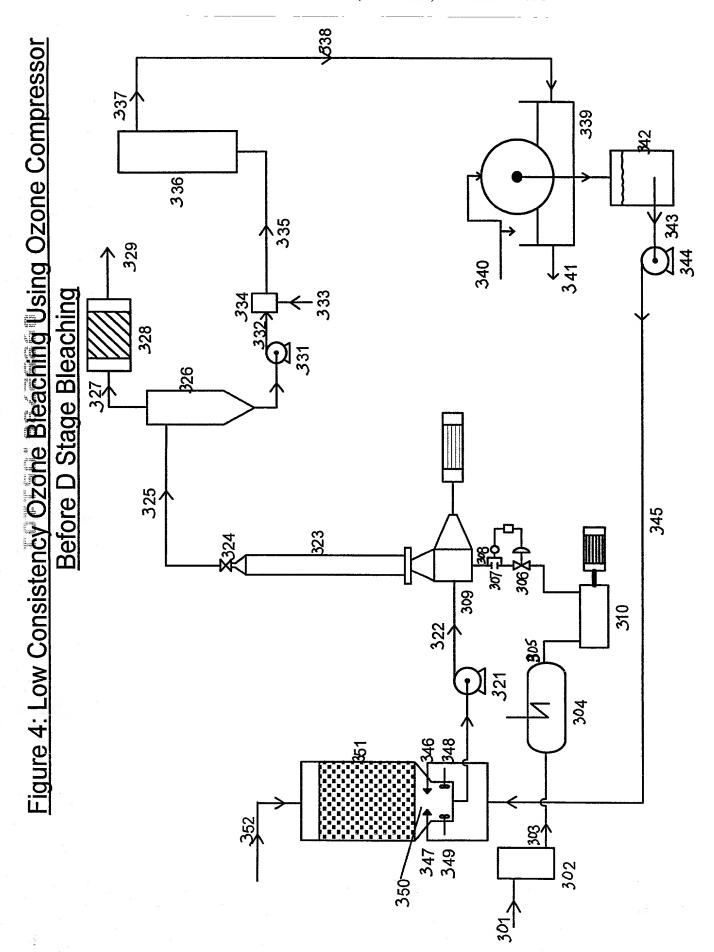
SHEET 3 of 8



TITLE: OZONE BLEACHING OF LOW CONSISTENCY PULP USING HIGH PARTIAL PRESSURE OZONE

Inventor(s): Sundaram ET AL Application Serial No: (016499-883)

SHEET 4 of 8



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> 45 49

Figure 5: Low Consistency Ozone Bleaching After D Stage Bleaching

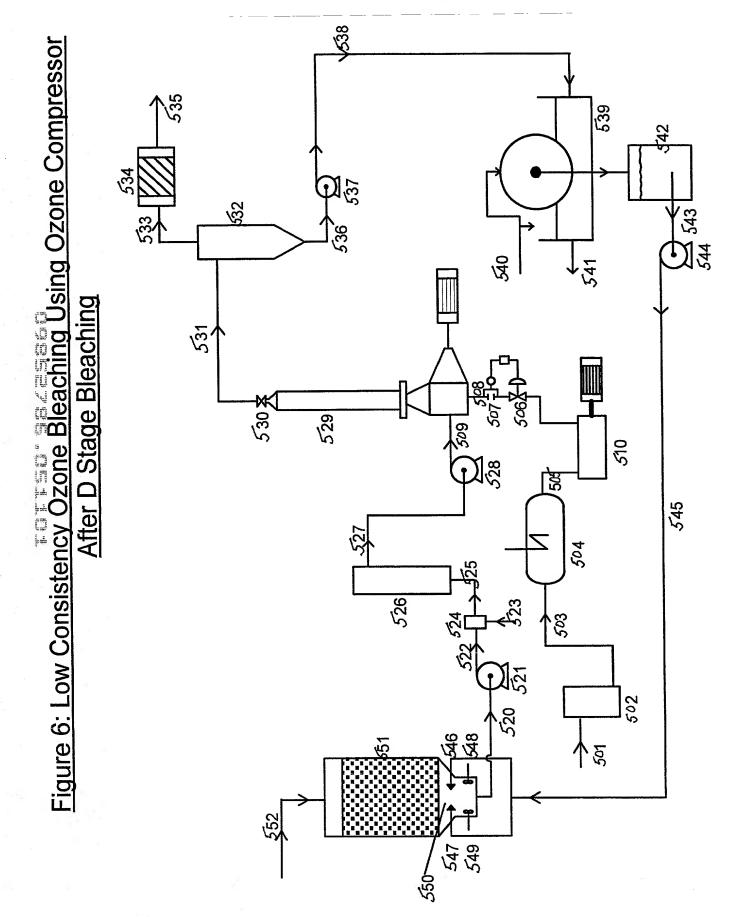
Ozone Generator

Using Pressurized

TITLE: OZONE BLEACHING OF LOW CONSISTENCY PULP USING HIGH PARTIAL PRESSURE OZONE

INVENTOR(S): SUNDARAM ET AL

APPLICATION SERIAL NO: (016499-883) SHEET 6 of 8



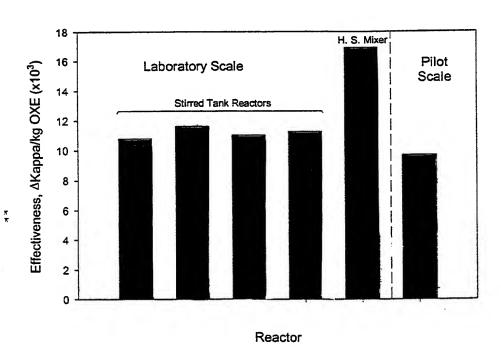
TITLE: OZONE BLEACHING OF LOW CONSISTENCY

PULP USING HIGH PARTIAL PRESSURE OZONE

**INVENTOR(S):** SUNDARAM ET AL

APPLICATION SERIAL NO: (016499-883) SHEET 7 of 8

Figure 7 - (D/Z) Delignification Efficiency for Various Reactors at Low Consistency (2.5%-3.5%)



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APPLN. FILING DATE: MAY 11, 2001

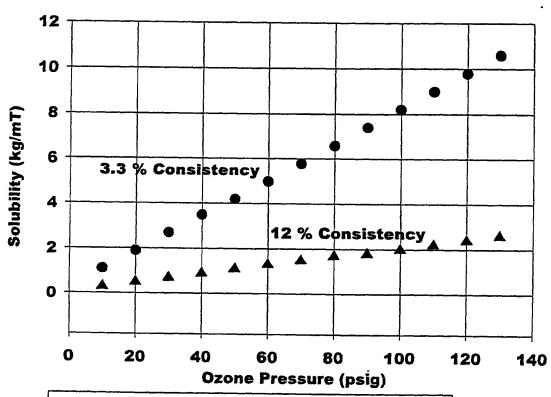
TITLE: OZONE BLEACHING OF LOW CONSISTENCY PULP USING HIGH PARTIAL PRESSURE OZONE

INVENTOR(S): SUNDARAM ET AL

APPLICATION SERIAL NO: (016499-883)

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Figure 8 **Ozone Solubility** 



Conditions:

Temperature - 40°C

Gas Composition to the mixer on weight % - Nitrogen - 2.4 % , Argon - 5.2 % , Ozone - 13 % , Oxygen - 79.4 %